

# MICHAEL E DUTEAU II

SOFTWARE  
DEVELOPER

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<https://mduteau-portfolio.vercel.app>

## SKILLS

### Programming Languages:

Java, C++, C, Python, HTML, CSS, JavaScript, C#

### Database Technology:

SQL, MongoDB, Amazon DynamoDB

### Tools:

Microsoft Visual Studio, Visual Studio Code, GitHub, Amazon Web Services (AWS), Eclipse IDE, Node.js, Express.js, AngularJS, Microsoft ASP.NET Core MVC

### Operating Systems Technology:

Microsoft Windows, Microsoft Office

## EDUCATION

### B.S. in Computer Science

Southern New Hampshire University | Manchester, NH  
Software Engineering Concentration

Graduated: Sep 2024

GPA: 3.89

### A.S. in Business Administration

Quinsigamond Community College | Worcester, MA 01606  
GPA: 3.0

Graduated: May 2016

## HONORS & AWARDS

### President's List

Southern New Hampshire University  
January 2022 - September 2024

## EXPERIENCE

### Guest Relations Representative/Daycamp Attendant/Floater

The Barkwood Inn | Charlton, MA 01507

Sep 2012 - Present

- Answers calls on a multi-line phone system to assist guests with information about the facility and facilitate booking reservations for future stays.
- Assists clients face to face with questions regarding the facility and pricing as well as expediting check-in and check-out processes.
- Enters data in database software regarding information about pets and booking dates.
- Supervises groups of 20 to 30 canines in an enclosed space in order to ensure safe play and guest well-being.
- Administers food and medication to unique specifications and maintains cleanliness of the entire facility.

## PROJECTS

### Leave Management System Web Application using C# ASP.NET Core

<https://github.com/m-duteau/LeaveManagementSystem>

Feb 2025 - Apr 2025

- Web application for the purpose of supplying an organization with a solution for managing different types of leave that employees can request for time off.
- Utilizes the MVC architectural pattern in order to link information to the views that are presented to the user.
- Features both an employee view as well as an administrator view that allows administrators to enter new periods or leave types as well as review leave requests for approval or denial.

### Node.js Chatbot for Twitch Streaming with Audio Player and OpenAI Integration

<https://github.com/m-duteau/nodejs-chatbot>

Dec 2024

- Node.js application runs locally to monitor Twitch user's channel chatroom for command phrases and respond appropriately by either sending a response chat message, playing an audio file, or sending a request to OpenAI API.
- Bot.js script utilizes audio\_player.py code to locate a locally stored .mp3 file and play the file using Python's playsound module, serving as an interactive soundboard for chatroom members.
- Bot.js also holds a function that accesses the OpenAI API. The user can determine the behavior of the OpenAI responses to simulate a helpful/entertaining bot assistant that chatroom members can interact with.